

WEKSLER INSTRUMENTS CORP -- MERCURY IN GLASS THERMOMETER/PSYCHROMETER --
6685-01-015-1823

===== Product Identification =====

Product ID:MERCURY IN GLASS THERMOMETER/PSYCHROMETER

MSDS Date:03/01/1992

FSC:6685

NIIN:01-015-1823

Status Code:A

MSDS Number: CJLNL

=== Responsible Party ===

Company Name:WEKSLER INSTRUMENTS CORP

Address:80 MILL ROAD

Box:808

City:FREEPORT

State:NY

ZIP:11520-0808

Country:US

Info Phone Num:516-623-0100

Emergency Phone Num:516-623-0100/800-424-9300(CHEMTREC)

Resp. Party Other MSDS Num.:NONE

Chemtrec Ind/Phone:(800)424-9300

CAGE:64467

=== Contractor Identification ===

Company Name:WEKSLERIGLASS THERMOMETER CORP

Address:80 MILL ROAD

Box:City:FREEPORT

State:NY

ZIP:11520

Country:US

Phone:516-623-0100

Contract Num:F41608-89-M-1423

CAGE:64467

===== Composition/Information on Ingredients =====

Ingred Name:MERCURY (SARA III)

CAS:7439-97-6

RTECS #:OV4550

000

Fraction by Wt: 100% %

Other REC Limits:NONE SPECIFIED

OSHA PEL:S, C, 0.1 MG/M3

Code:F

ACGIH TLV:S, 0.05 MG/M3; 9192

Code:F

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

=====
===== Hazards Identification =====
=====

LD50 LC50 Mixture:NOT SPECIFIED BY MANUFACTURER.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE: INHALATION OF HIGH LEVELS CAN
LEAD TO SEVERE RESPIRATORY IRRITAT

ION, CHEST PAINS, COUGHING AND

BREATHING DIFFICULTIES. CNS, KIDNEY AND/OR LIVER DAMAGE MAY OCCUR.

CHRONIC: GUM, MOUTH INFLAMMATIO N, EXCESS SALIVATION, METALLIC

TASTE, GINGIVITIS, IRRITABILITY, TREMORS, DEPRESSION, STOMATITIS,

NERVOUSNESS

Explanation of Carcinogenicity:PRODUCT CONTAINS NO MATERIALS CURRENTLY
CLASSIFIED AS CARCINOGENIC BY NTP, IARC OR OSHA.

Effects of Overexposure:RESPIRATORY IRRITATION, CHEST PAINS, COUGHING,
BREATHING DIFFICULTIES, CNS DAMAGE, KIDNEY/LIV

ER DAMAGE, GUM/ MOUTH

INFLAMMATION, EXCESS SALIVATION, METALLIC TASTE, GINGIVITIS,

IRRITABILITY, TREMORS, D EPRESSION, STOMATITIS, NERVOUSNESS,

PERSONALITY CHANGES.

Medical Cond Aggravated by Exposure:PERSONS WITH CHRONIC DISEASES SUCH
AS TUBERCULOSIS, KIDNEY DISEASE, LIVER DISEASE AND ALCOHOLISM OR
ARE IN POOR PHYSICAL CONDITION SHOULD BE EXCLUDED FROM CONTINUOUS
EXPOSURE TO MERCURY VAPORS.

=====
===== First Aid Measures =====
=====

First Aid:

CONTACT A QUALIFIED PHYSICIAN. INHALATION: REMOVE TO FRESH

AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING

DIFFICULT, GIVE OXYGEN. EYES: OCCASIONAL CONTACT USUALLY HARMLESS

IF WASHED OUT IMMEDIATELY. FLUSH WITH WATER FOR 15 MINUTES. SKIN:

WASH EXPOSED AREA WITH SOAP AND WATER. CAN BE ABSORBED THROUGH THE

SKIN. INGESTION: USUALLY HARMLESS. DO NOT INDUCE VOMITING.

=====
===== Fire Fighting Measures =====
=====

Flash Point:NONE

Autoignit

ion Temp:Autoignition Temp Text:NONE
Lower Limits:NONE
Upper Limits:NONE
Extinguishing Media:APPROPRIATE FOR SURROUNDING FIRE
Fire Fighting Procedures:APPROPRIATE FOR SURROUNDING FIRE
Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.

===== Accidental Release Measures =====

Spill Release Procedures:USE APPROPRIATE RESPIRATORY PROTECTION AND PROTECTIVE CLOTHING. CLEAN UP SPILLS IMMEDIATELY WITH VACUUM EQUIPMENT THAT HAS A FILTERED EXHAUST. DO NOT DRY SWEEP.
DECONTAMINATE WITH A MERCURY DECONTAMINANT. REPORTABLE QUANTITY (RQ) IS 1 POUND.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

===== Handling and Storage =====

Handling and Storage Precautions:HANDLE AND STORE THERMOMETER WITH PROPER CARE.
Other Precautions:MERCURY WILL READILY FORM AMALGAMS WITH GOLD AND SILVER.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:IF MERCURY SPILLAGE & PEL IS EXCEEDED.
RESPIRATORY PROTECTION SHOULD BE NIOSH-MESA CERTIFIED.
Ventilation:FOR MERCURY TO KEEP CONCENTRATIONS BELOW PEL. LOCAL EXHAUST AT THE POINT OF ORIGIN. MECHANICAL ALSO RECOMMENDED.
Protective Gloves:IMPERVIOUS
Eye Protection:GLASSES OR GOGGLES
Other Protective Equipment:TIGHTLY WOVEN (IE, TYVEK) WORK CLOTHING FITTING CLOSELY ABOUT NECK, WRISTS AND ANKLES SHOULD BE WORN.
Work Hygienic Practices:NO FOOD, FOOD STUFFS, OR TOBACCO PRODUCTS SHOULD BE PRESENT IN MERCURY AREAS. NO SMOKING OR EATING IN MERCURY AREAS.
Supplemental Safety and Health
CLOTHING SHOULD BE REMOVED AND WASHED FREQUENTLY.

===== Physical/Chemical Properties =====

HCC:Z2
Boiling Pt:B.P. Text:675F,357C
Melt/Freeze Pt:M.P/F.P Text:-38F,-39C
Vapor Pres:0.0012
Vapor Density:1.015
Spec Gravity:13.59
Evaporation Rate & Reference:DEPENDS ON TEMP AND PRESS
Appearance and Odor:SILVER METALLIC LIQUID, MOBILE AND ODORLESS

===== Stability and Reactivity Data =====

a =====

Stability Indicator/Materials to Avoid: YES

HALOGENS, NITRIC ACID, AMMONIA GAS, ALUMINUM, ACETYLENE AND ACETYLENE PRODUCTS.

Stability Condition to Avoid: HIGH TEMPERATURES AND OPEN FLAMES.

Hazardous Decomposition Products: MERCURY VAPORS

===== Disposal Considerations =====

Waste Disposal Methods: REMOVE MERCURY AND MATERIALS THAT HAVE COME IN CONTACT WITH MERCURY TO PROPER DISPOSAL AREA. MERCURY IS RECYCLABLE. DO NOT PUT IN GARBAGE, FLUSH IN SEWER, OR INCINERATE. DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGS.

Disclaimer (provided with this information by the compiling agencies): This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.